



# iPE Exhaust

Automotive exhaust system engineering

*Toyota*

*GR Supra(A90)*

Product installation instruction

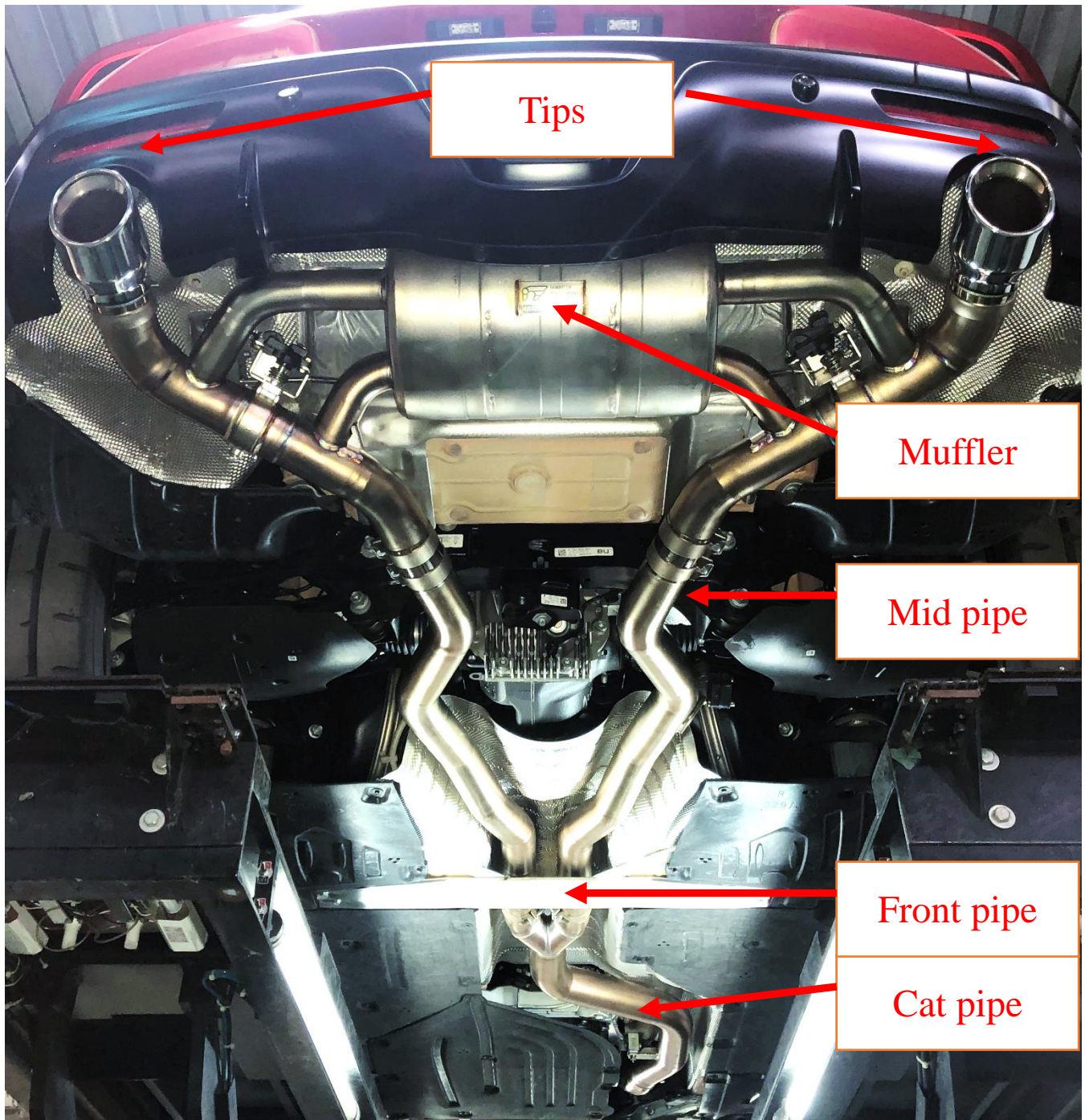
# 1.Important information

iPE developed exhaust systems based on the OEM exhaust to avoid issue with installation. Modern car keys and the vehicle itself have an inductive power transmission function, we suggest to keep the car key at least 5 meters away from the vehicle for safety purpose. Please wear insulated gloves to replace the exhaust pipe when hot, or replace it after cool down to avoid burns.

When setting the valve to open automatically, please do not let the valve open prematurely to avoid resonance; it is recommended to set the timing of valve opening to 60% of the throttle. For detailed setting options, please refer to the control box setting page.

The iPE exhaust system is an evolution designed based on OEM spec. If the vehicle has ECU tuning, there may be possible resonance from the exhaust system. If you have any questions about this installation instruction, please contact your local iPE dealer or email us at [info@ipe-f1.com](mailto:info@ipe-f1.com)

# Toyota GR Supra (A90) product assembly





## (1) Remove the original exhaust pipe

1. Remove the front pipe clamps and bushes screws. (Fig1)

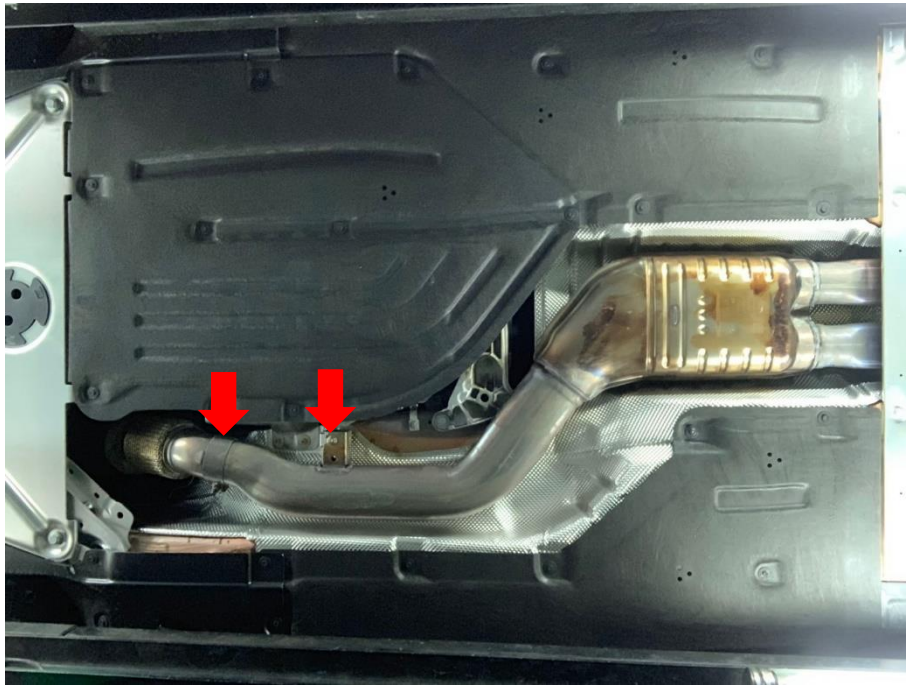


Fig. 1

2. Remove the lower guard mid pipe bushes and muffler's bushes, then you can remove the original cat back system. When removing the original muffler, please remove the motor on the original muffler as well.

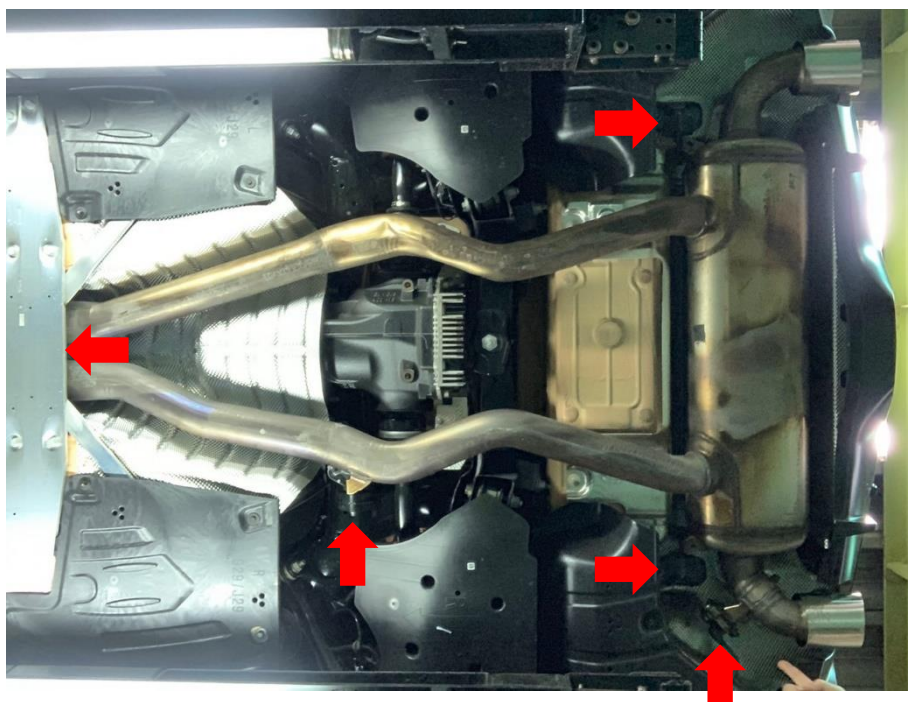


Fig. 2

3. Remove the retainer clamps, bushes screw, the front and rear oxygen sensor, then remove the original cat pipe. (Fig3)

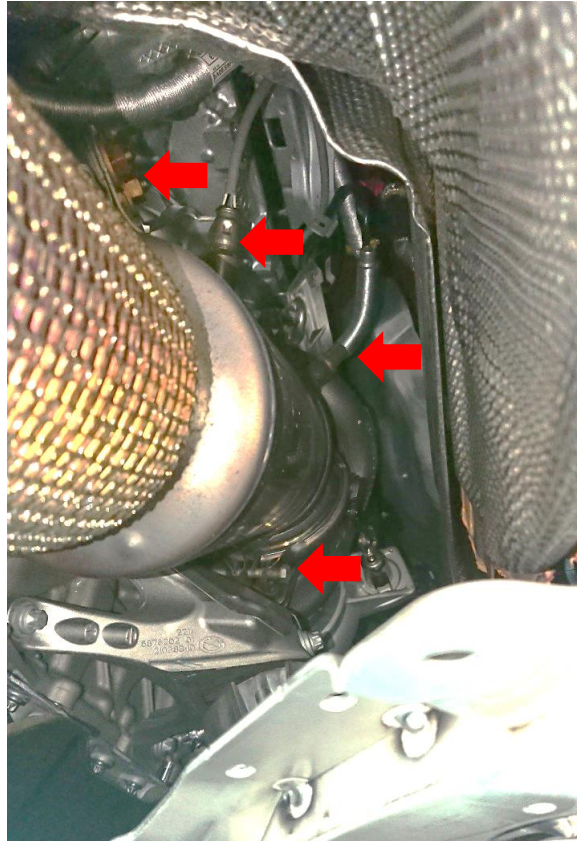


Fig. 3

4. Remove the original cat pipe washer and reinstall it on the iPE cat pipe. (Fig4)





## (2) Install the iPE exhaust system Fig. 4

1. Install the iPE cat pipe and lock the retainer clamps, bushes screw, front and rear oxygen sensor. (Fig5)

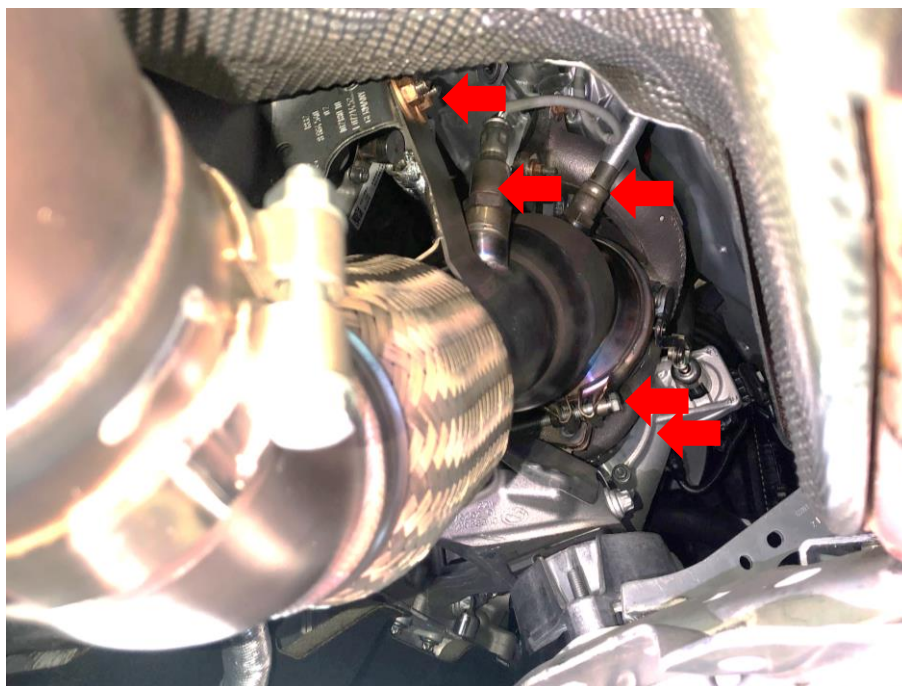


Fig. 5

2. Install the iPE front pipe and screw the bushes and clamps. (Fig6)

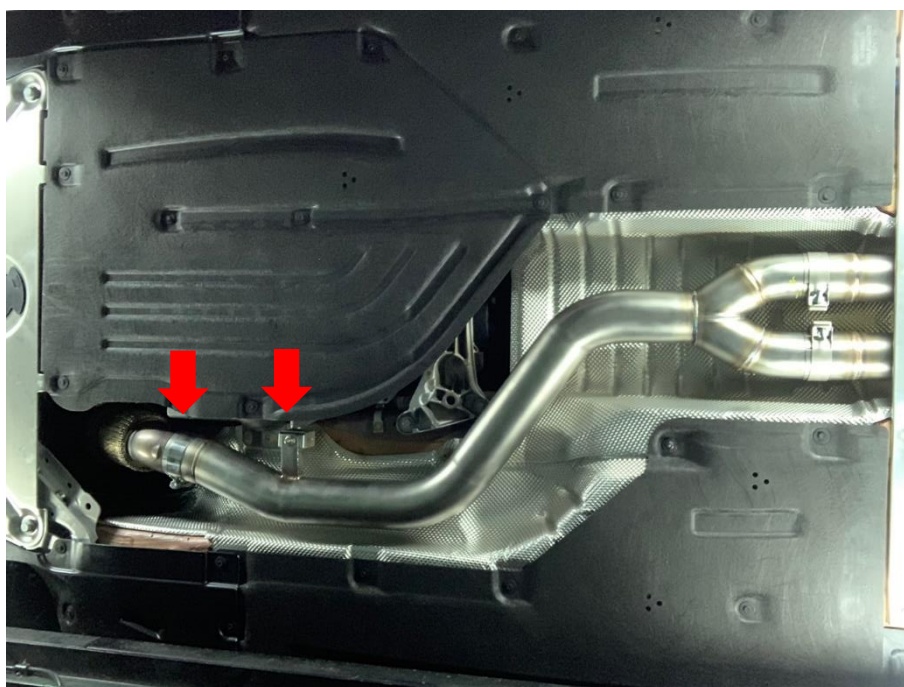


Fig. 6

3. Install the OEM motor and iPE motor and springs together on to  
Each side of iPE valve system. (One motor on each side of the valve)
4. Manage the gap between mid pipe and the chassis bracer to 15mm.
5. Install iPE mid pipe, bush, muffler and tips. (Fig7)

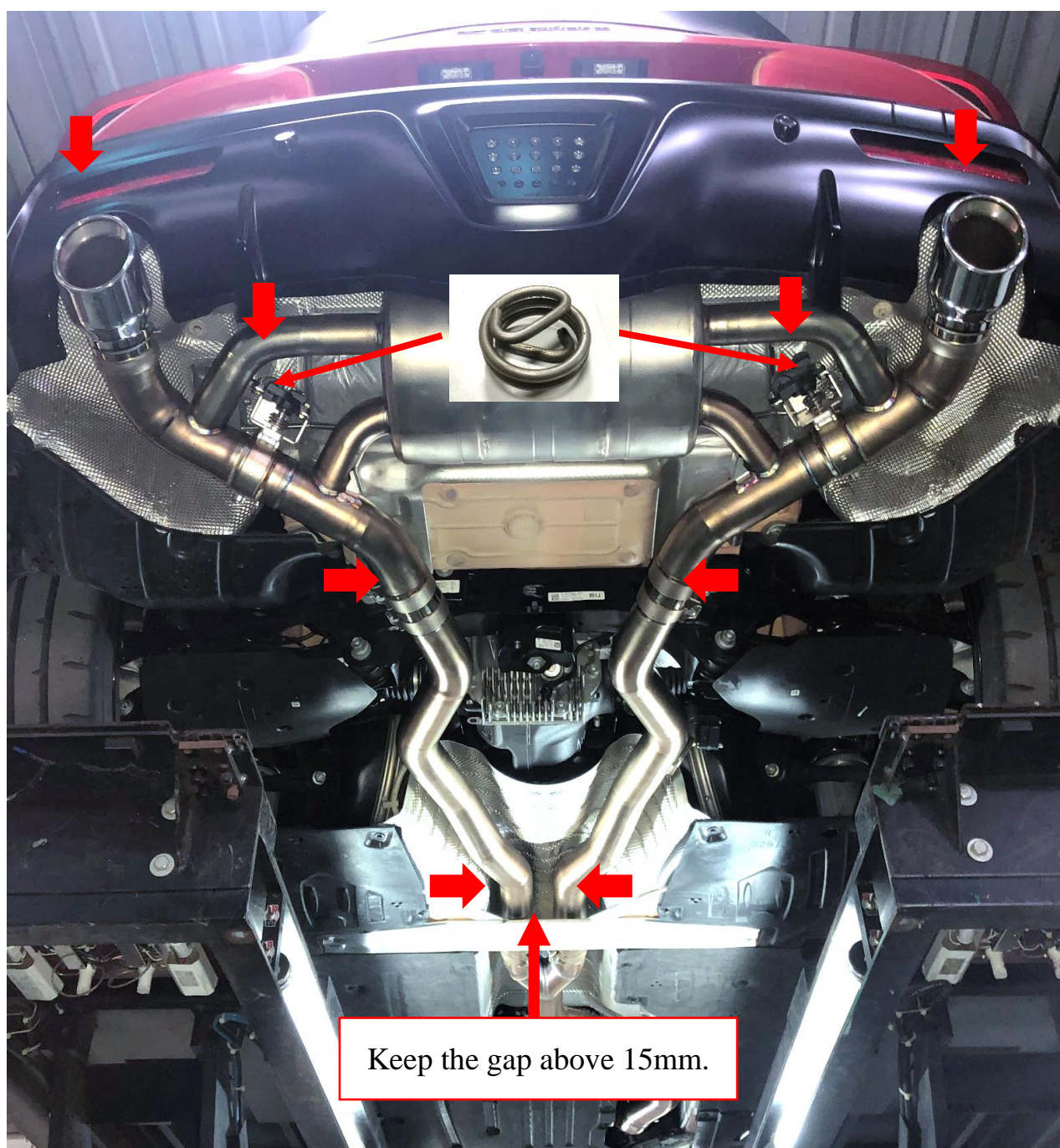
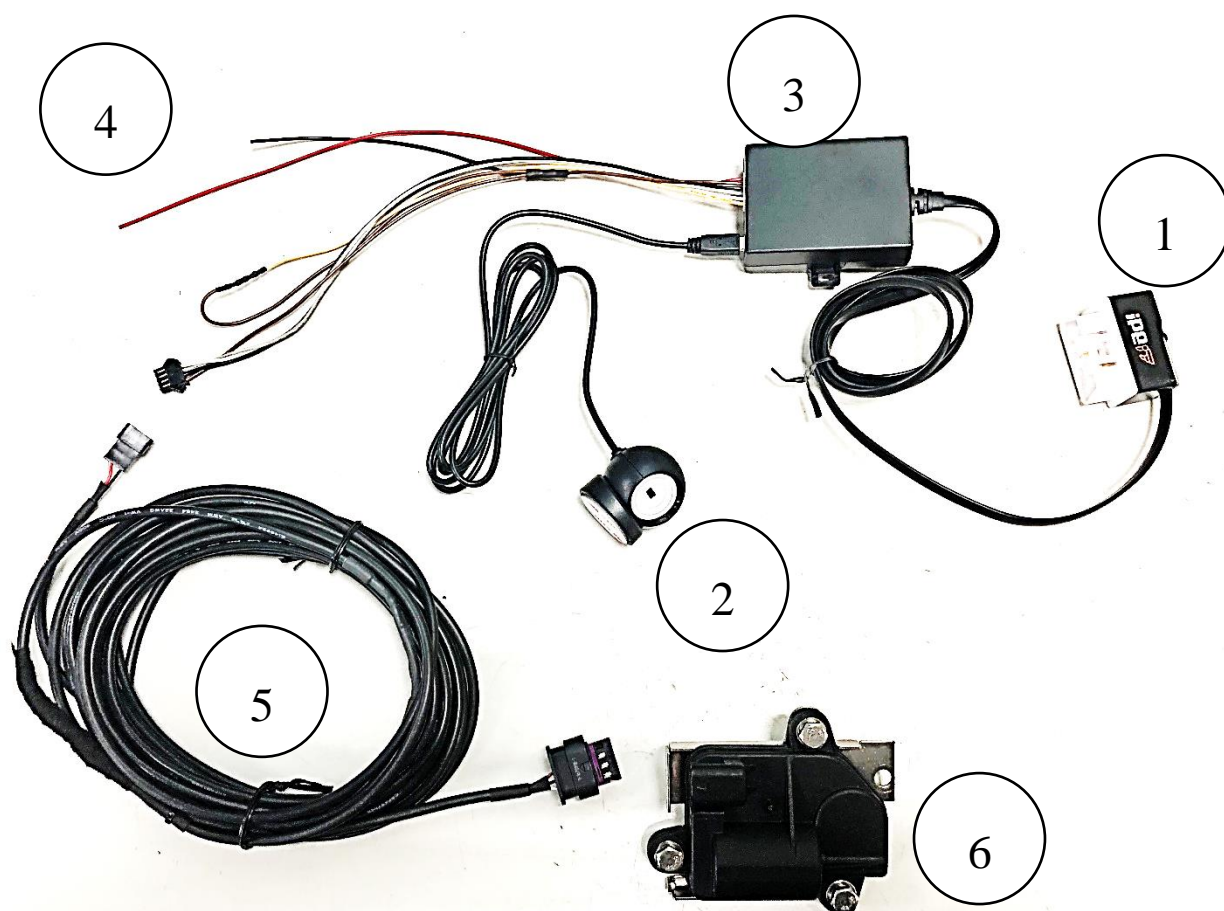


Fig 7



### (3) Install the control box and wiring



No.	Product	No.	Product
1	OBDII-connector	4	OBDII-1K ohm electronic motor cable
2	OBDII-Laser light gesture controller	5	OBDII-BMW 4P extension cable
3	OBDII- Five-in-one controller for exhaust valve	6.	BMW original motor



1. From the fuse holder on the right rear of the trunk, measure the ACC positive power and pull it forward below the driver side.

(Fig8~Fig10)



Fig. 8



Fig. 9



Fig. 10

2. Plug on the electric motor plug and pull the wire into the front left engine compartment. (Fig11 、 Fig12)



Fig. 11

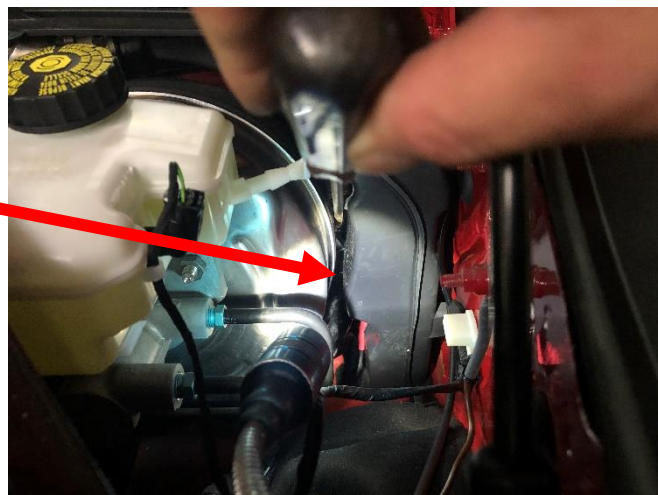


Fig. 12

3. Pull the wire into the car from the hole above the rest pedal. (Fig13 、 Fig14)



Fig. 13



Fig. 14



4. Remove the trim from the driver side, pull out the electric motor cable, recover after finishing the wiring, and connect to OBD II.

(Fig15)

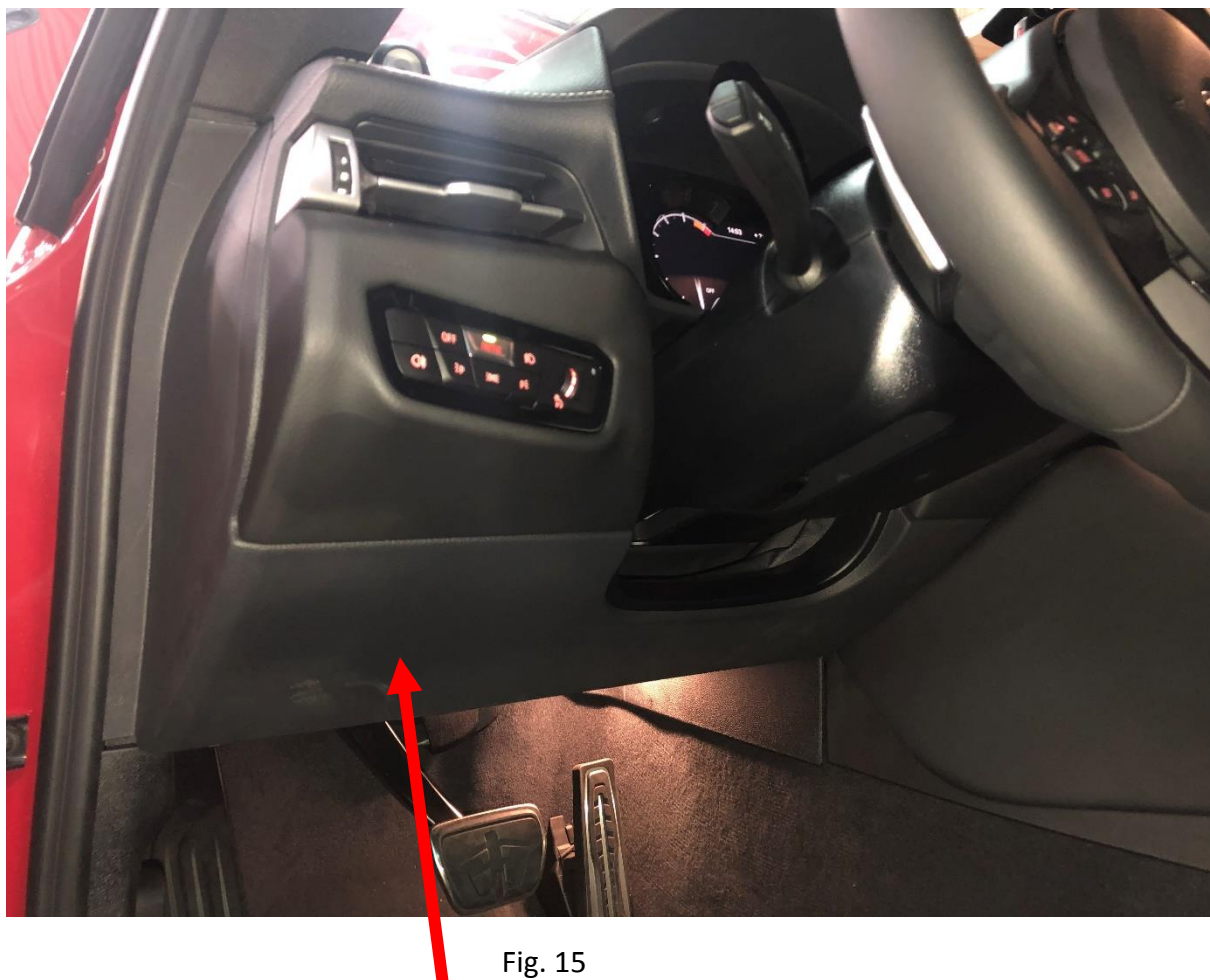


Fig. 15

